

Harlow, Donald G

From: Venetz, Theodore J
Sent: Tuesday, September 25, 2012 2:25 PM
To: Rosenkrance, Chelsea L
Subject: FW: AY102 sample update
Attachments: AY102 Residual Samples Grp#20121249 006.jpg; AY102 Residual Samples Grp#20121249 001.jpg; AY102 Residual Samples Grp#20121249 002.jpg; AY102 Residual Samples Grp#20121249 003.jpg; AY102 Residual Samples Grp#20121249 004.jpg; AY102 Residual Samples Grp#20121249 005.jpg; AY102 Residual Samples Grp#20121249 007.jpg

From: Boomer, Kayle D
Sent: Monday, August 13, 2012 7:34 AM
To: Venetz, Theodore J
Subject: FW: AY102 sample update

From: Rice, Andrew D
Sent: Saturday, August 11, 2012 1:29 PM
To: McKinney, Steve G; Washenfelter, Dennis J; Boomer, Kayle D
Cc: Renberger, Duane L; Prilucik, John R; Johnson, Jo M; Ritenour, Gerald P; Hansen, Daniel R
Subject: RE: AY102 sample update

Steve did a good job of summarizing what happened, I will add the photos and a few details. The photos will put you in email jail, but I wanted the detail to remain.

A masslin-type cloth was included with the "weight and tape" sample. This cloth was contaminated and was saved for future analysis, if desired.

The tape did a great job of trapping the particulate matter, so it was decided to digest the tape itself. Most of the particulates appeared to be rust, with a few interestingly colored flecks interspersed.

Once we had removed the tape from the weight, the tape was cut into 4 sections. Based on appearance and dose rates, the tape surrounding the steel weight was fairly homogeneous, so the section analyzed should be reasonably representative of the whole. The other sections have been saved for future analysis, if needed.

Duct tape is not an ideal analytical substrate, so the digest was performed so as to minimize possible matrix effects from the tape while removing as much contamination as possible. This appeared to be successful.

Separations and counting will occur Sunday, we plan on providing preliminary results by Monday, 8/13.

Let me know if I can be of additional assistance.

Andy